

VERSION WITH MARKINGS TO SHOW CHANGES MADE

42. (Amended) A grain drill comprising:

a frame having a plurality of wheels for supporting the grain drill during rolling over a surface of ground to be planted with grain;

a hopper for containing grain to be planted in the ground;

a support which is joined to opposed sides of the frame and to spaced apart locations of the hopper to transfer weight of the hopper to the frame, the support including at least one weight sensing device which senses a weight of the grain in the hopper transferred through the support to the frame and provides an output of the sensed weight of the grain in the hopper; and

a display, coupled to the output, for displaying the weight of the grain contained in the hopper; and wherein

the support comprises a pair of weight bearing supports which are respectively joined to the opposed sides of the frame, each weight bearing support including a first rigid attachment attached to a different one of the opposed sides of the hopper frame supporting the frame along a longitudinal dimension of the grain drill and a second rigid attachment attached to the frame; and

the at least one weight sensing device comprises first and second load cells associated with each of the pair of weight bearing supports, the first and second load cells attaching the first and second rigid attachments together and being loaded with weight transferred from the first rigid attachment through the first and second load cells to the second rigid attachment.

43. (Amended) A method for modifying a grain drill having a frame having a plurality of wheels for supporting the grain drill during rolling over a surface of ground to be planted with grain and a hopper joined to the frame for containing the grain to be planted comprising:

raising the hopper upward from the frame to separate the hopper from being joined to the frame;

positioning a support between the hopper and the frame to join the support to opposed sides of the frame and to spaced apart positions of the hopper to support the hopper in a raised position above the frame, the positioned support transferring weight of the hopper to the frame and including at least one weight sensing device which senses a weight of the grain in the hopper transferred through the support to the frame and which provides an output of the sensed weight of the grain in the hopper; and

providing a display on the grain drill for displaying the weight of the grain contained in the hopper; and wherein

the support comprises a pair of weight bearing supports which are respectively joined to the opposed sides of the frame, each weight bearing support including a first rigid attachment attached to a different one of the opposed sides of the hopper frame supporting the frame along a longitudinal dimension of the grain drill and a second rigid attachment attached to the frame; and

the at least one weight sensing device comprises first and second load cells associated with each of the pair of weight bearing supports, the first and second load cells attaching the first and second rigid attachments together and being loaded with weight transferred from the first rigid attachment through the first and second load cells to the second rigid attachment.